![Mercury Mariner logo]
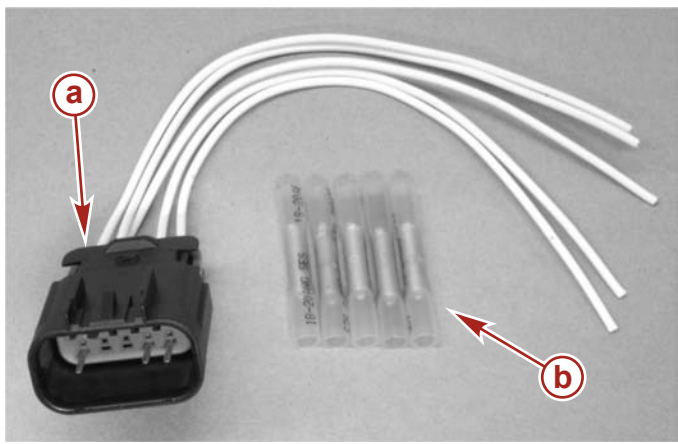
Service Bulletin

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Engine Wiring Harness Repair Kits – 135/150/175/200 Verado L4 and 200/225/250/275/300/350 SCi Verado L6

Situation

This service bulletin releases the engine wiring harness repair kits available for the above listed models. These kits are to be used for the warranty repair of engine wiring harnesses and are an economical option for a nonwarrantable repair. These kits are intended to eliminate the unnecessary replacement of complete engine wiring harnesses.
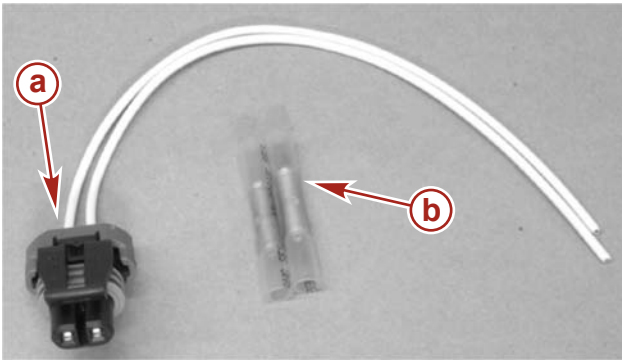
NOTE: Installation instructions are included with each harness repair kit.

879346A31 CAN 1 Harness Repair Kit (10 Pin)

43160

	Where Used
	Verado: CAN 1 terminator

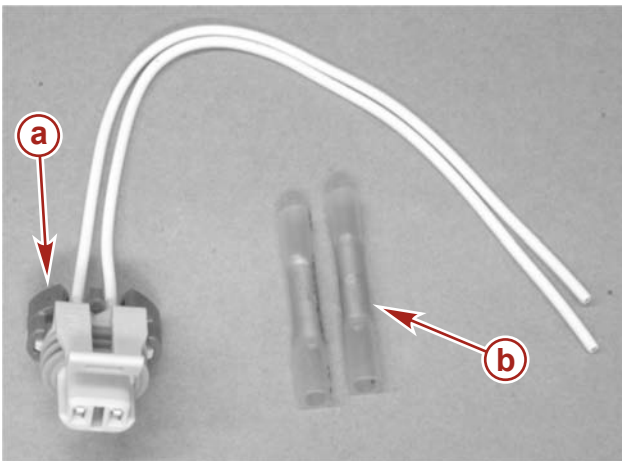| Ref.	Description	Qty.	Part Number
a	CAN 1 repair harness (10 pin)	1	NSS
b	Crimp splice 22-18 AWG	5	8M0045338

879346A32 Packard Repair Kit (2 Pin), Black

Where Used
Verado: Temperature sensors, vent canister switch, vent canister purge valve, knock resistor, neutral switch, water in fuel sensor, CAN 2 terminator

43166

Ref.	Description	Qty.	Part Number
a	Packard repair harness (2 pin), black	1	NSS
b	Crimp splice 22-18 AWG	2	8M0045338

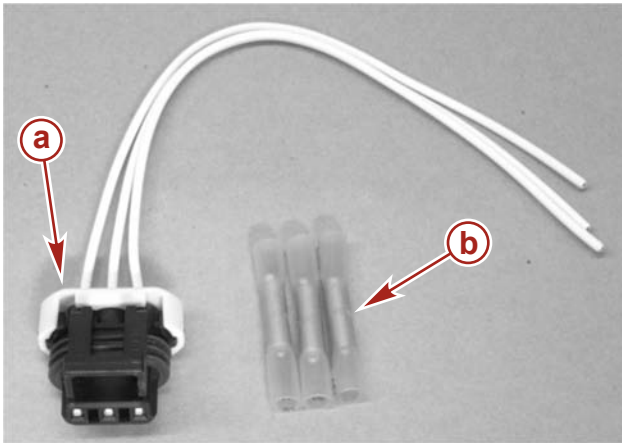### 879346A33 Packard Repair Kit (2 Pin), White

Where Used
Verado: Knock sensor

43167

Ref.	Description	Qty.	Part Number
a	Packard repair harness (2 pin), white	1	NSS
b	Crimp splice 22-18 AWG	2	8M0045338

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879346A34 Packard Repair Kit (3 Pin), Black

	Where Used
43168	Verado: Trim relay harness, power steering

Ref.	Description	Qty.	Part Number
a	Packard repair harness (3 pin), black	1	NSS
b	Crimp splice 22-18 AWG	3	8M0045338

879346A36 Packard Repair Kit (4 Pin)
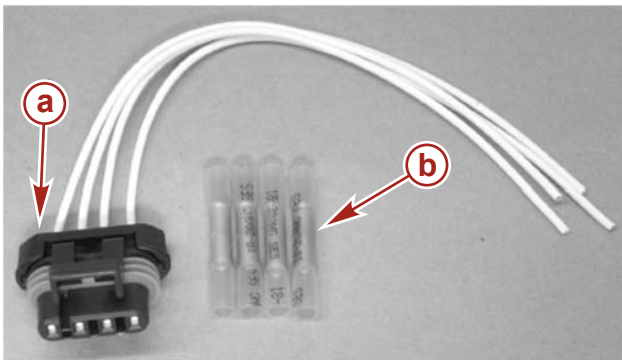
	Where Used
43169	Verado: Diagnostics connector

Ref.	Description	Qty.	Part Number
a	Packard repair harness (4 pin)	1	NSS
b	Crimp splice 22-18 AWG	4	8M0045338

879346A37 Packard Repair Kit (5 Pin)
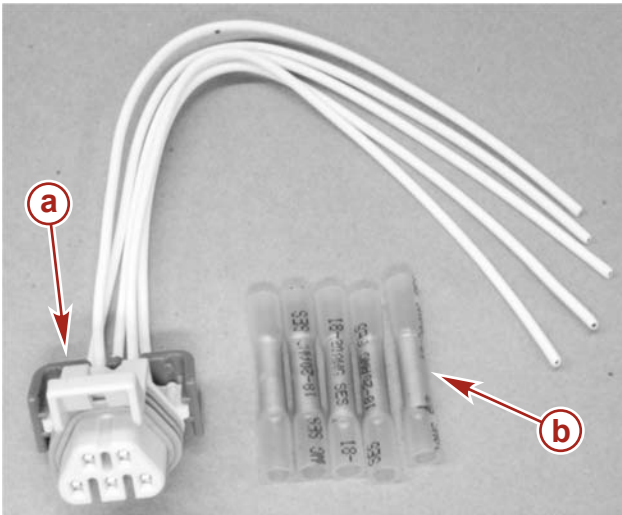
	Where Used
43170	Verado: Shift actuator

Ref.	Description	Qty.	Part Number
a	Packard repair harness (5 pin)	1	NSS
b	Crimp splice 22-18 AWG	5	8M0045338

879346A38 Packard Repair Kit (6 Pin)
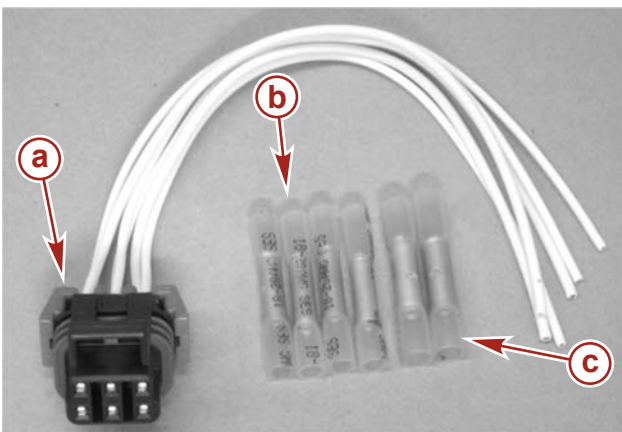
	Where Used
43171	Verado: SmartCraft boat harness, FSM harness

Ref.	Description	Qty.	Part Number
a	Packard repair harness (6 pin)	1	NSS
b	Crimp splice 22-18 AWG	4	8M0045338
c	Crimp splice 16-14 AWG	2	896711T

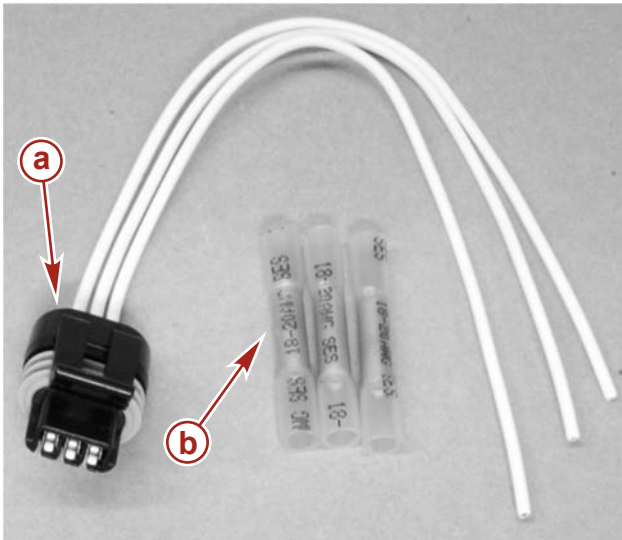## 879346A39 Packard Repair Kit (3 Pin), Round
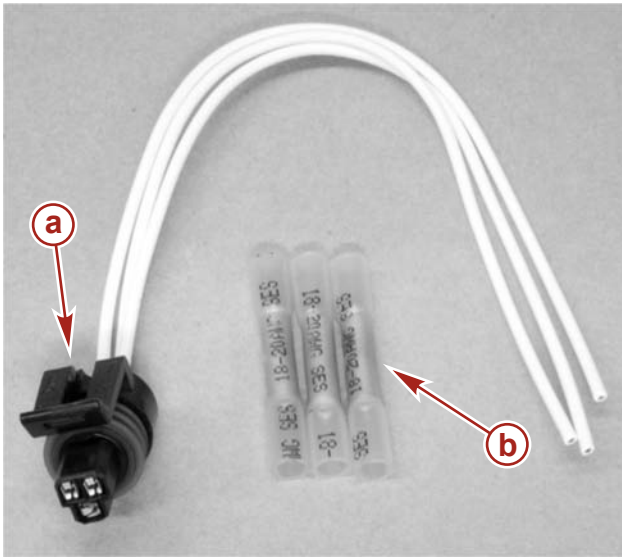
	Where Used
43172	Verado: MAP, pitot pressure, oil pressure, block pressure, fuel rail pressure sensors (350 SCi)

Ref.	Description	Qty.	Part Number
a	Packard repair harness (3 pin)	1	NSS
b	Crimp splice 22-18 AWG	3	8M0045338

879346A41 Delphi Repair Kit (3 Pin)

	Where Used
43173	Verado: Cam position sensor

Ref.	Description	Qty.	Part Number
a	Delphi repair harness (2 pin)	1	NSS
b	Crimp splice 22-18 AWG	3	8M0045338

879346A43 Boost Valve Repair Kit (4 Pin)
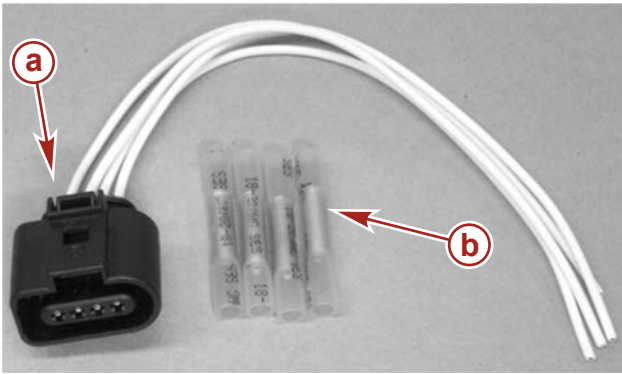
	Where Used
43174	Verado: Boost valve

Ref.	Description	Qty.	Part Number
a	Boost valve repair harness (4 pin)	1	NSS
b	Crimp splice 22-18 AWG	4	8M0045338

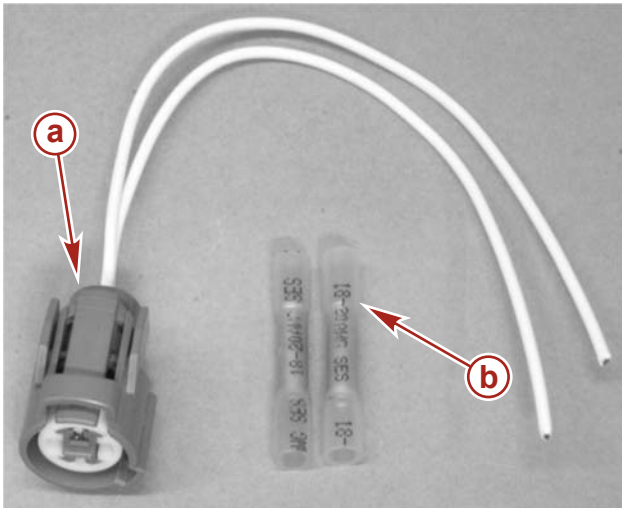## 879346A44 Electronic Throttle Control (ETC) Repair Kit (6 Pin)
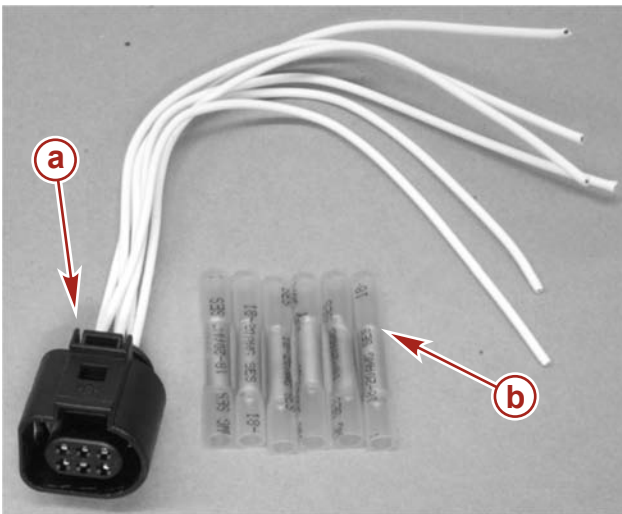
	Where Used
43175	Verado: Electronic throttle control (ETC)

Ref.	Description	Qty.	Part Number
a	Electronic throttle control repair harness (6 pin)	1	NSS
b	Crimp splice 22-18 AWG	6	8M0045338

879346A45 Manifold Air Temperature (MAT) Repair Kit (2 Pin)

	Where Used
 43177	Verado: Manifold air temperature (MAT) sensor

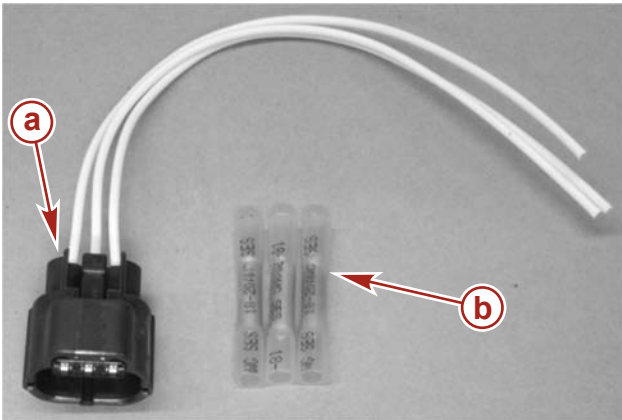| Ref.	Description	Qty.	Part Number
a	Manifold air temperature (MAT) repair harness (2 pin)	1	NSS
b	Crimp splice 22-18 AWG	2	8M0045338

879346A46 Pencil Coil Repair Kit (3 Pin)
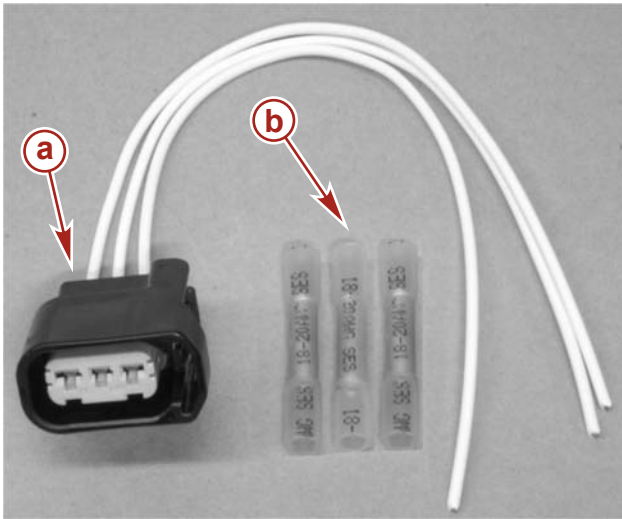
	Where Used
 43179	Verado: Pencil coil

Ref.	Description	Qty.	Part Number
a	Pencil coil repair harness (3 pin)	1	NSS
b	Crimp splice 22-18 AWG	3	8M0045338

879346A47 Cowl Tilt Switch Repair Kit (3 Pin)

	Where Used
43180 | Verado: Cowl tilt switch, trim sensor harness |

Ref.	Description	Qty.	Part Number
a	Cowl tilt switch repair harness (3 pin)	1	NSS
b	Crimp splice 22-18 AWG	3	8M0045338

879346A48 Relay Base Repair Kit (White)
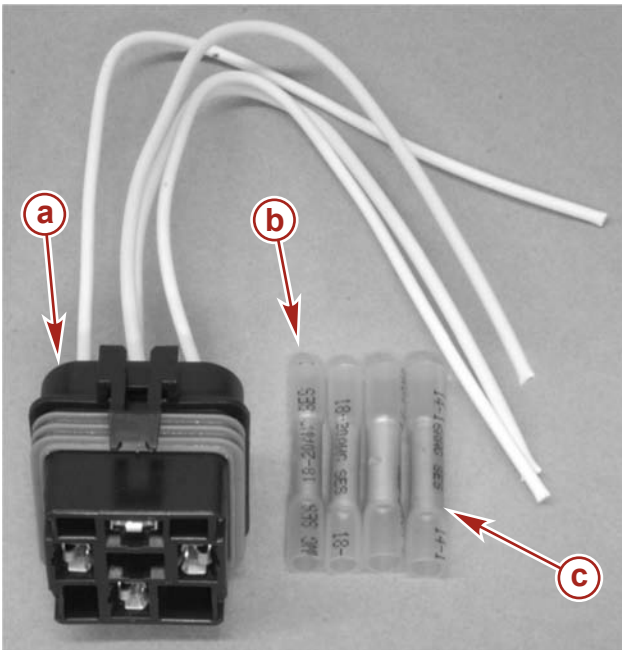
	Where Used
43181 | Verado: Fuel pump relay, starter relay |

Ref.	Description	Qty.	Part Number
a	Relay base repair harness (white)	1	NSS
b	Crimp splice 22-18 AWG	2	8M0045338
c	Crimp splice 16-14 AWG	2	896711T

879346A50 Fuel Injector Harness Repair Kit
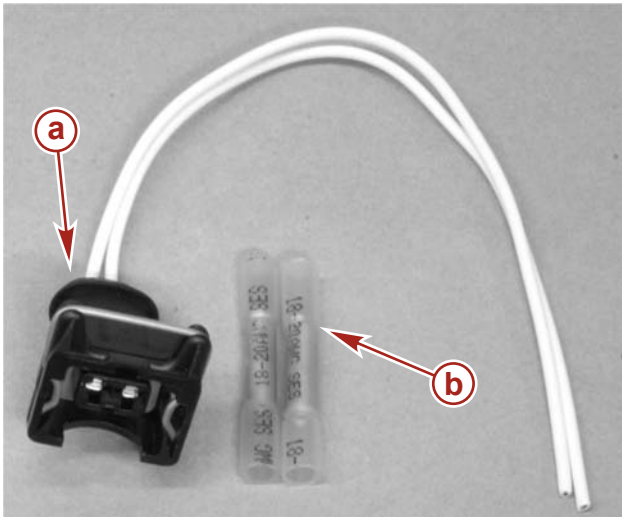
Where Used
Verado: Fuel injector

43182

Ref.	Description	Qty.	Part Number
a	Fuel injector repair harness	1	NSS
b	Crimp splice 22-18 AWG	2	8M0045338

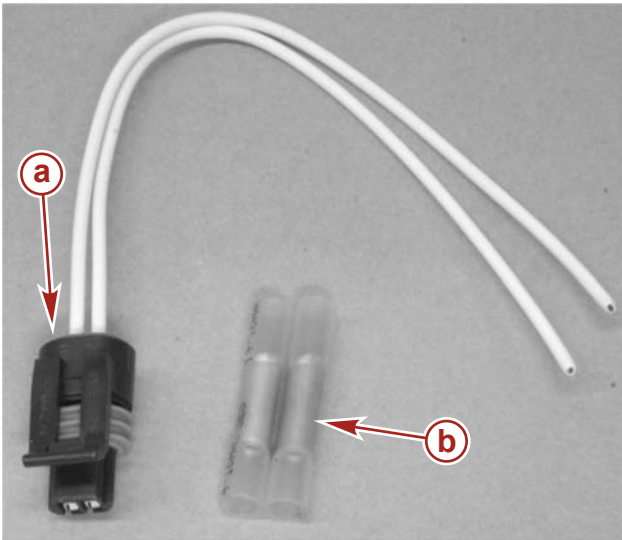## 879346A52 Crankshaft Position Sensor (CPS) Repair Kit (2 Pin)
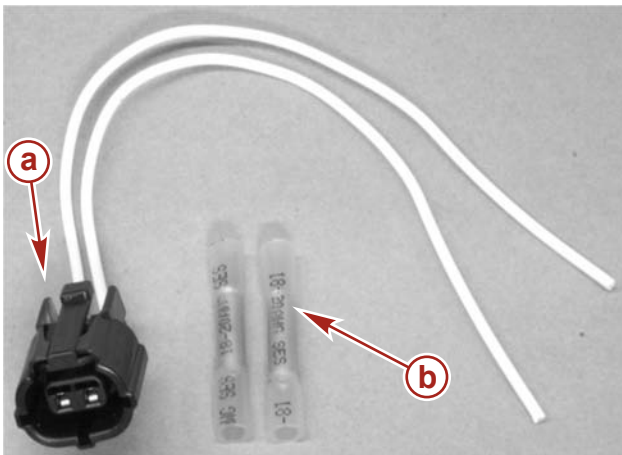
Where Used
Verado: Crankshaft position sensor (CPS)

43183

Ref.	Description	Qty.	Part Number
a	Crankshaft position sensor (CPS) repair harness (2 pin)	1	NSS
b	Crimp splice 22-18 AWG	2	8M0045338

879346A53 Alternator Repair Kit (2 Pin)

	Where Used
 43184	Verado: Alternator

Ref.	Description	Qty.	Part Number
a	Alternator repair harness (2 pin)	1	NSS
b	Crimp splice 16-14 AWG	2	896711T